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## WHAT IS CLAIMED IS:

- 1. A portable terminal equipped with a display unit, the portable terminal comprising:
- a DC/DC converter for supplying power to the display unit;
  - a frequency switching unit for selectively switching and supplying one of a plurality of switching clock frequencies to the DC/DC converter; and
- a display mode detecting unit for

  detecting that the display unit has been switched to a
  predetermined low-power consumption mode, determining one
  of the plurality of switching clock frequencies according
  to power consumption reduced in the predetermined lowpower consumption mode based on this detection, and
  instructing the frequency switching unit to execute this
  selective switching.
  - 2. The portable terminal according to Claim 1, wherein
  - the display mode detecting unit determines lower one of the plurality of switching clock frequencies, when the display unit has been switched to a lower-power consumption mode.
    - 3. A method of reducing power consumption of a portable terminal equipped with a display unit to which power is supplied from a DC/DC converter, the method comprising the steps of:

monitoring the display unit to see whether the display unit is in a display color number limiting mode or not;

- determining a switching clock frequency of the DC/DC converter according to power consumption reduced by a reduction in the number of display colors, when the display color number limiting mode has been detected; and
- switching the frequency to the determined switching clock frequency, and operating the DC/DC converter at this frequency.

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4.	A method	d of red	ducing	powe	r consu	umptic	on of a	
portable	terminal	equippe	ed with	n a d	isplay	unit	to which	ch
power is	supplied	from a	DC/DC	conv	erter,	the n	nethod	
comprisin	ng the ste	eps of:						

monitoring the display unit to see whether the display unit is in a partial display mode or not;

determining a switching clock frequency of the DC/DC converter according to power consumption reduced by a reduction in a display area, when the partial display mode has been detected; and

switching the frequency to the determined switching clock frequency, and operating the DC/DC converter in this frequency.

5. The portable terminal according to Claim 1 or 2, wherein

the display unit is an LCD display unit.